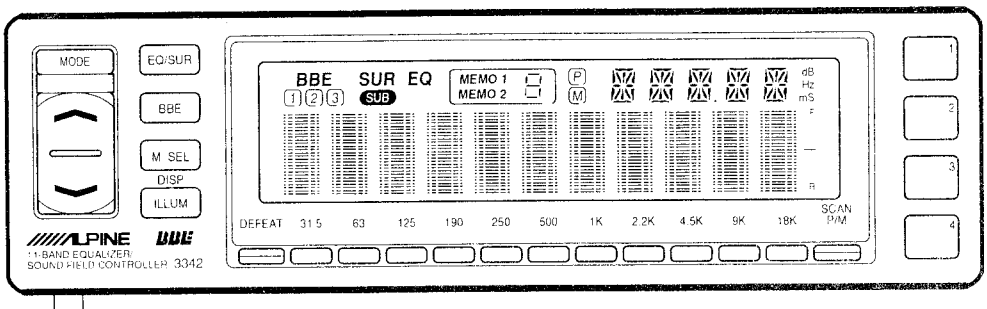
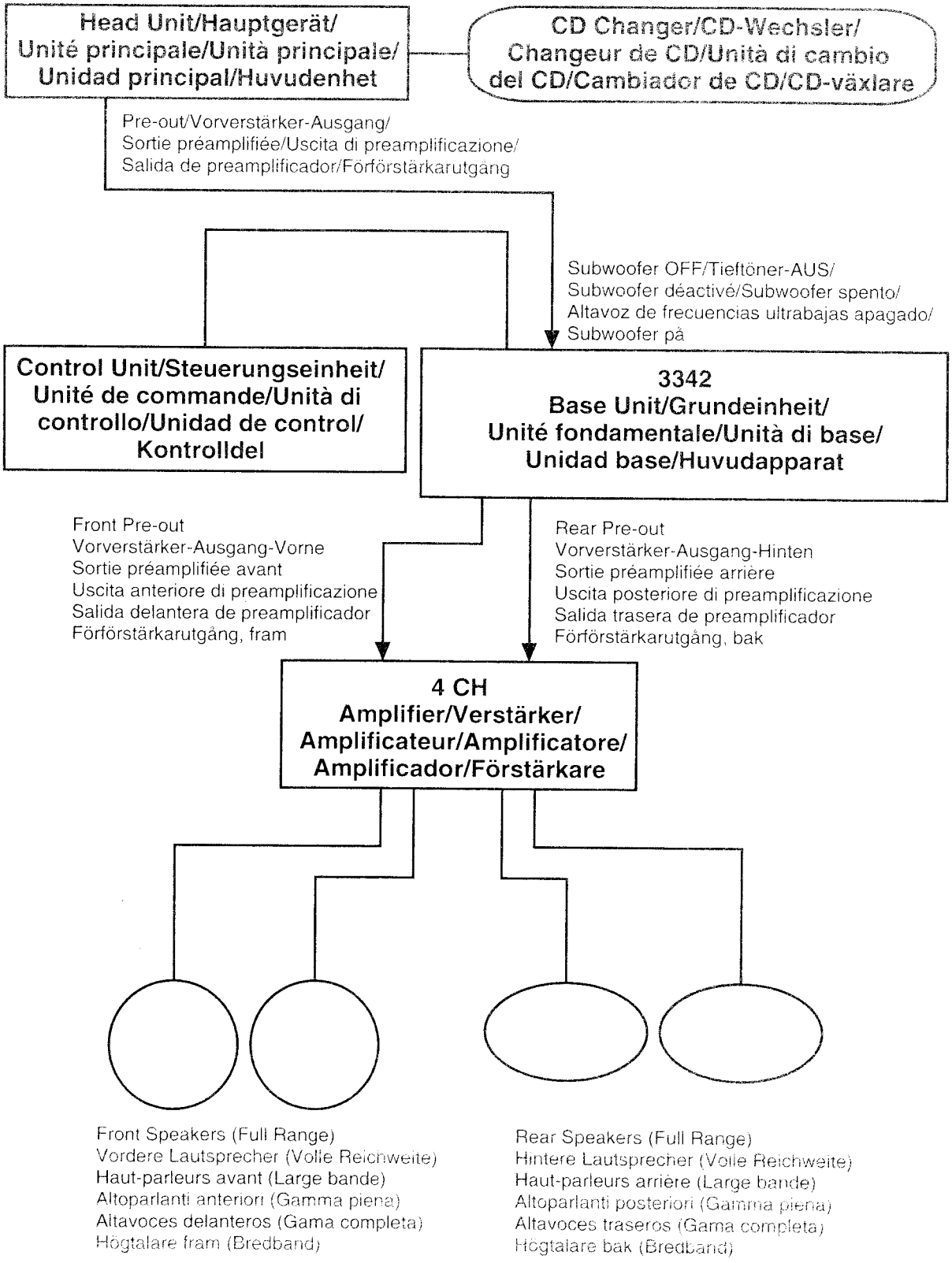
OWNER'S MANUAL/BEDIENUNGSANLEITUNG/
MANUEL DU PROPRIETAIRE/MANUALE DEL PROPRIETARIO/
MANUAL DEL PROPIETARIO/BRUKSANVISNING

3342

11-Band Equalizer/Sound Field Controller



SYSTEM-A/SYSTEME-A/SISTEMA-A



SYSTEM CHARTS/SYSTEMAUFBAU/DIAGRAMMES DU SYSTEME/ DISPOSIZIONI DEL SISTEMA/DIAGRAMAS DEL SISTEMA/SYSTEM-ÖVERSIKT

SYSTEM-B/SYSTEME-B/SISTEMA-B

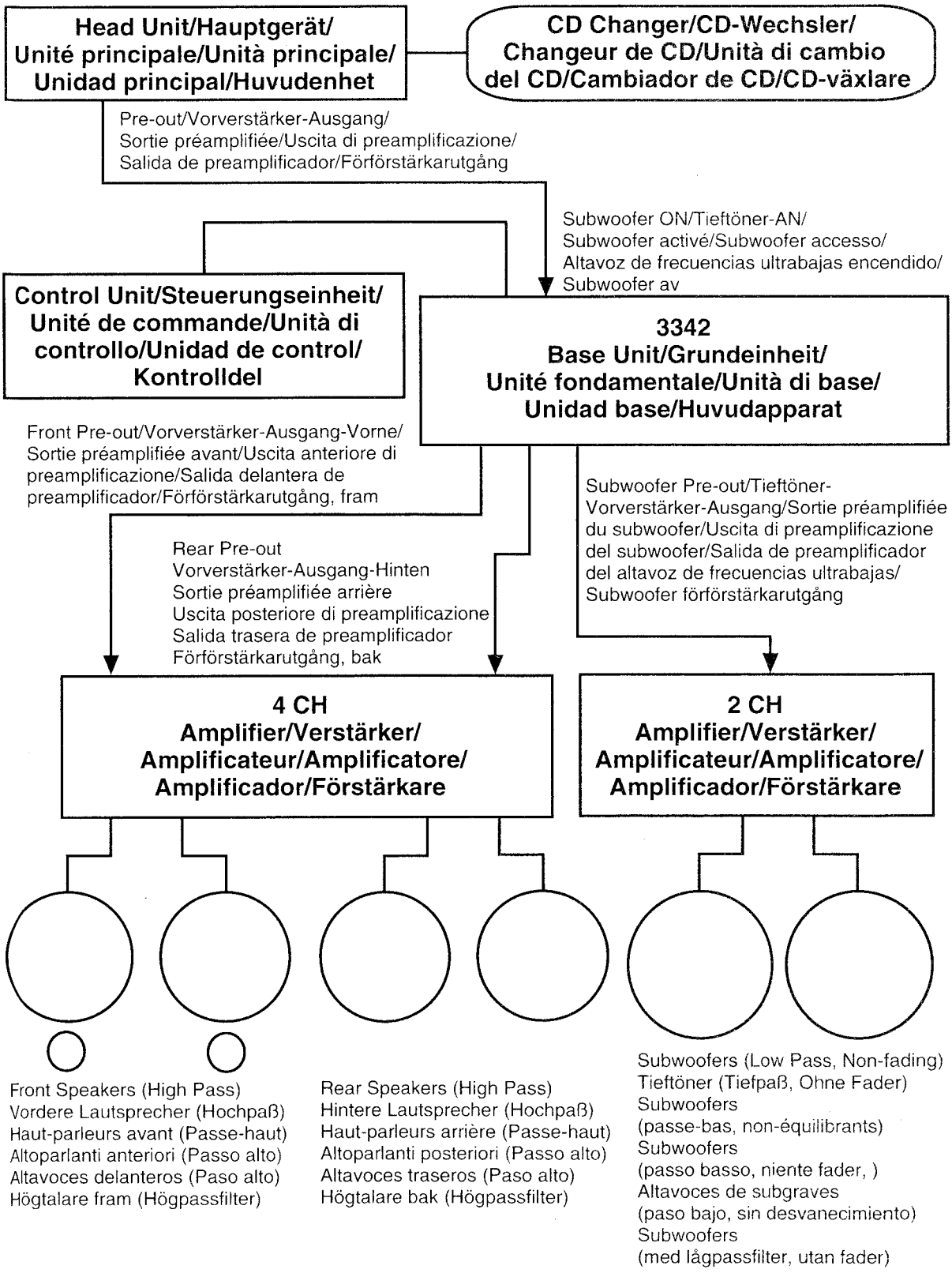

Head Unit/Hauptgerät/ Unité principale/Unità principale/ Unidad principal/Huvudenhet
CD Changer/CD-Wechsler/ Changeur de CD/Unità di cambio del CD/Cambiador de CD/CD-växlare
Pre-out/Vorverstärker-Ausgang/ Sortie préamplifiée/Uscita di preamplificazione/ Salida de preamplificador/Förförstärkarutgång
Subwoofer ON/Tieftöner-AN/ Subwoofer activé/Subwoofer accesso/ Altavoz de frecuencias ultrabajas encendido/ Subwoofer av
Control Unit/Steuerungseinheit/ Unité de commande/Unità di controllo/Unidad de control/ Kontrolldel
3342 Base Unit/Grundeinheit/ Unité fondamentale/Unità di base/ Unidad base/Huvudapparat
Front Pre-out/Vorverstärker-Ausgang-Vorne/ Sortie préamplifiée avant/Uscita anteriore di preamplificazione/Salida delantera de preamplificador/Förförstärkarutgång, fram
Subwoofer Pre-out/Tieftöner-Vorverstärker-Ausgang/Sortie préamplifiée du subwoofer/Uscita di preamplificazione del subwoofer/Salida de preamplificador del altavoz de frecuencias ultrabajas/ Subwoofer förförstärkarutgång
Rear Pre-out Vorverstärker-Ausgang-Hinten Sortie préamplifiée arrière Uscita posteriore di preamplificazione Salida trasera de preamplificador Förförstärkarutgång, bak
4 CH Amplifier/Verstärker/ Amplificateur/Amplificatore/ Amplificador/Förstärkare
2 CH Amplifier/Verstärker/ Amplificateur/Amplificatore/ Amplificador/Förstärkare
Front Speakers (High Pass) Vordere Lautsprecher (Hochpaß) Haut-parleurs avant (Passe-haut) Altoparlanti anteriori (Passo alto) Altavoces delanteros (Paso alto) Högtalare fram (Högpassfilter)
Rear Speakers (High Pass) Hintere Lautsprecher (Hochpaß) Haut-parleurs arrière (Passe-haut) Altoparlanti posteriori (Passo alto) Altavoces traseros (Paso alto) Högtalare bak (Högpassfilter)
Subwoofers (Low Pass, Non-fading) Tieftöner (Tiefpaß, Ohne Fader) Subwoofers (passe-bas, non-équilibrants) Subwoofers (passo basso, niente fader,) Altavoces de subgraves (paso bajo, sin desvanecimiento) Subwoofers (med lågpassfilter, utan fader)

TABLE OF CONTENTS/INHALT/TABLE DES MATIERES/SOMMARIO/INDICE/ INNEHÅLLSFORTECKNING

- SYSTEM CHARTS/SYSTEMAUFBAU/DIAGRAMMES DU SYSTEME/DISPOSIZIONI DEL SISTEMA/ DIAGRAMAS DEL SISTEMA/SYSTEM-ÖVERSIKT 2, 3
- **Fig. 1/Abb. 1** 5
  CONTROLS AND INDICATORS/BEDIENUNGSELEMENTE UND ANZEIGEN/COMMANDES ET INDICATEURS/ CONTROLLI ED INDICATORI/CONTROLES E INDICADORES/KONTROLLER OCH INDIKATORER
- **Fig. 2/Abb. 2** 6
  CONNECTIONS/ANSCHLÜSSE/CONNEXIONS/COLLEGAMENTI/CONEXIONES/ANSLUTNINGAR
- **Fig. 3 – 7/Abb. 3 – 7** 7
  INSTALLATION/EINBAU/INSTALLATION/INSTALLAZIONE/INSTALACION/INSTALLATION

"ENGLISH"

INTRODUCTION 8
PRECAUTIONS 8
FEATURES 9
CONTROLS AND INDICATORS 10
OPERATION ..... 11 – 21
CONNECTIONS ..... 22 – 24
NSTALLATION 25, 26
SPECIFICATIONS 27

"DEUTSCH"

EINFÜHRUNG 28
VORSICHTSMASSNAHMEN 28
MERKMALE 29
BEDIENUNGSELEMENTE UND ANZEIGEN 30
BEDIENUNG ..... 31 – 41
ANSCHLÜSSE ..... 42 – 44
EINBAU 45, 46
TECHNISCHE DATEN 47

"FRANÇAIS"

INTRODUCTION 48
PRECAUTIONS 48
CARACTERISTIQUES 49
COMMANDES ET INDICATEURS 50
FONCTIONNEMENT ..... 51 – 61
CONNEXIONS ..... 62 – 64
INSTALLATION 65, 66
SPECIFICATIONS 67

"ITALIANO"

INTRODUZIONE 68
PRECAUZIONI 68
CARATTERISTICHE 69
CONTROLLI ED INDICATORI 70
FUNZIONAMENTO ..... 71 – 81
COLLEGAMENTI ..... 82 – 84
INSTALLAZIONE 85, 86
SPECIFICAZIONI 87

"ESPAÑOL"

INTRODUCCION 88
PRECAUCIONES 88
CARACTERISTICAS 89
CONTROLES E INDICATORES 90
OPERACION ..... 91 – 101
CONEXIONES ..... 102 – 104
INSTALACION 105, 106
ESPECIFICACIONES 107

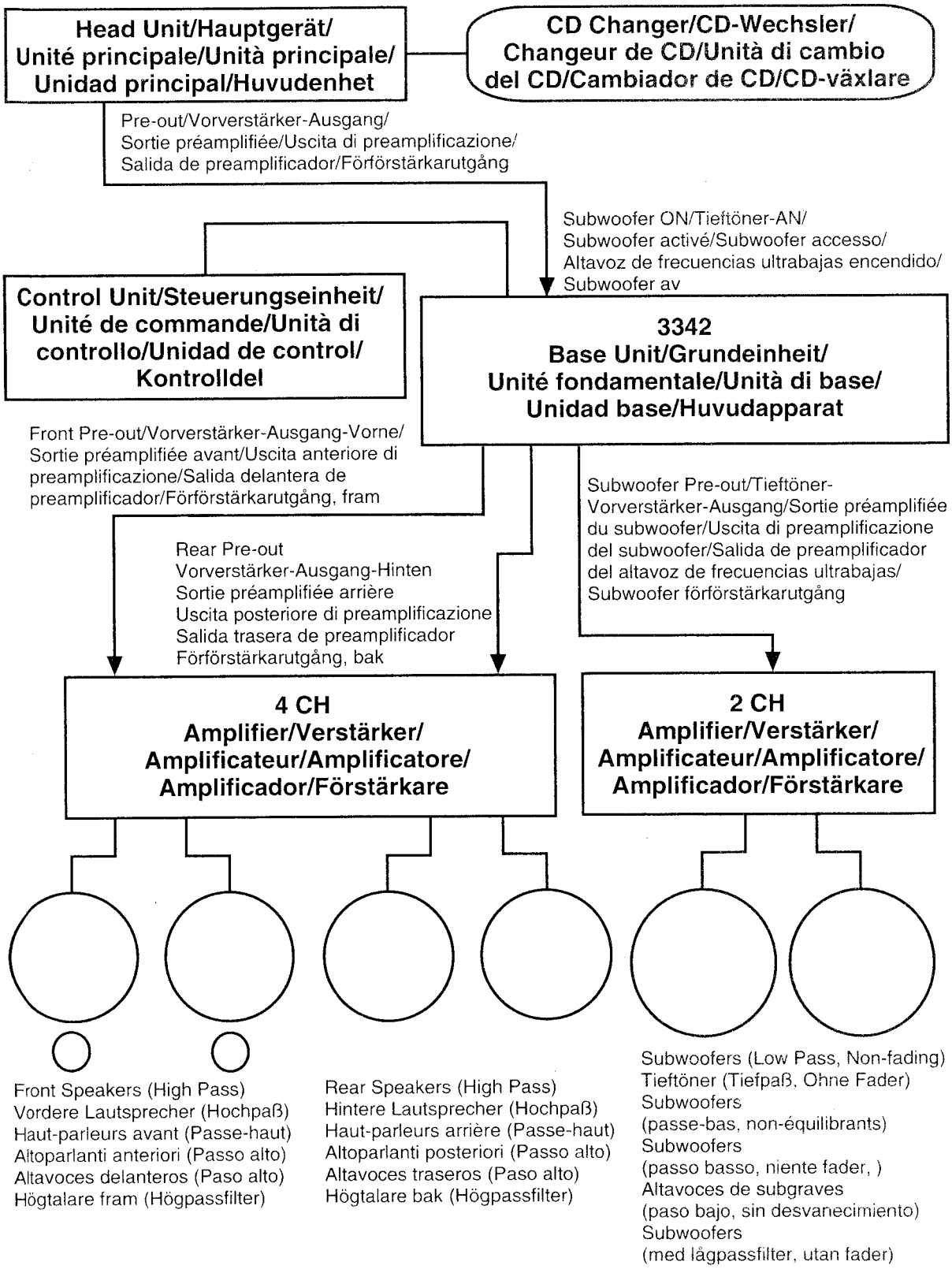
"SVENSKA"

INTRODUKTION 108
FÖRSIKTIGHETSÅTGÅRDER 108
EGENSKAPER 109
KONTROLLER OCH INDIKATORER 110
MANÖVRERING ..... 111 – 121
ANSLUTNINGAR ..... 122 – 124
INSTALLATION 125, 126
SPECIFIKATIONER 127

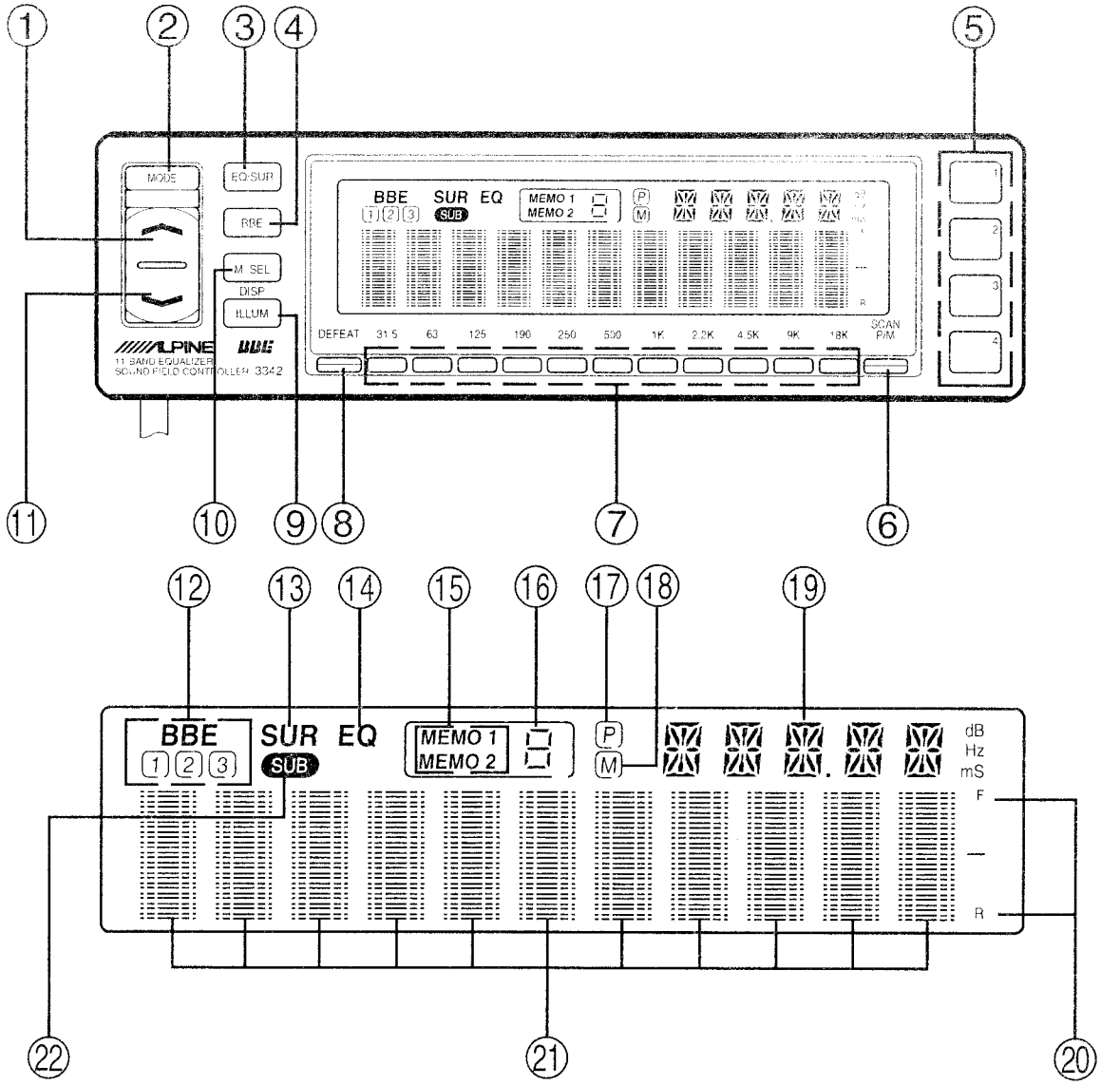
- CHARACTERISTIC CURVES/CHARAKTERISTISCHE ENTZERRERKURVEN/COURBES CARACTERISTIQUES/ CURVE CARATTERISTICHE/CURVAS CARACTERISTICAS/FREKVENSKURVOR 128

SYSTEM CHARTS/SYSTEMAUFBAU/DIAGRAMMES DU SYSTEME/ DISPOSIZIONI DEL SISTEMA/DIAGRAMAS DEL SISTEMA/SYSTEM-ÖVERSIKT

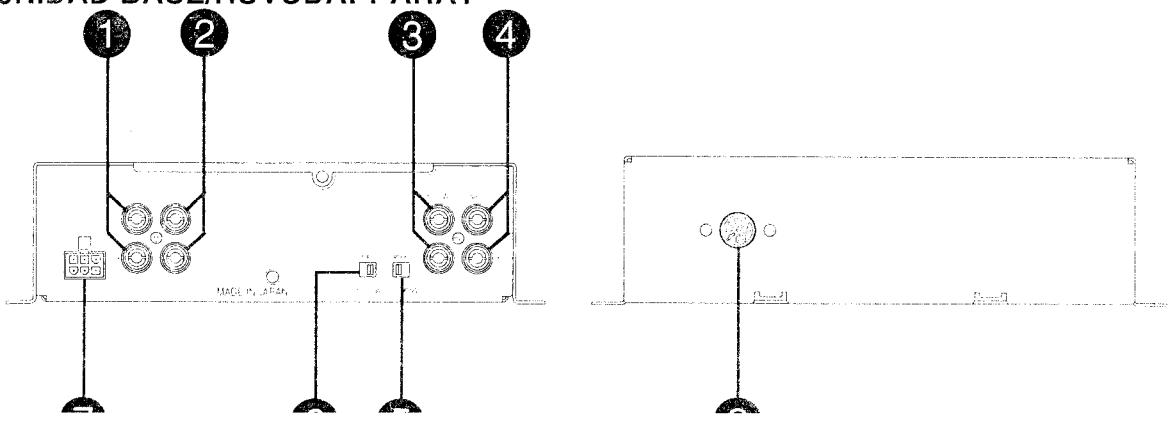
SYSTEM-B/SYSTEME-B/SISTEMA-B



CONTROL UNIT/STEUERUNGSEINHEIT/UNITE DE COMMANDE/UNITA' DI CONTROLLO/UNIDAD DE CONTROL/KONTROLLDEL



BASE UNIT/GRUNDEINHEIT/UNITE FONDAMENTALE/UNITA' DI BASE/ UNIDAD BASE/HUVUDAPPARAT



CONNECTIONS/ANSCHLÜSSE/CONNEXIONS/COLLEGAMENTI/ CONEXIONES/ANSLUTNINGAR

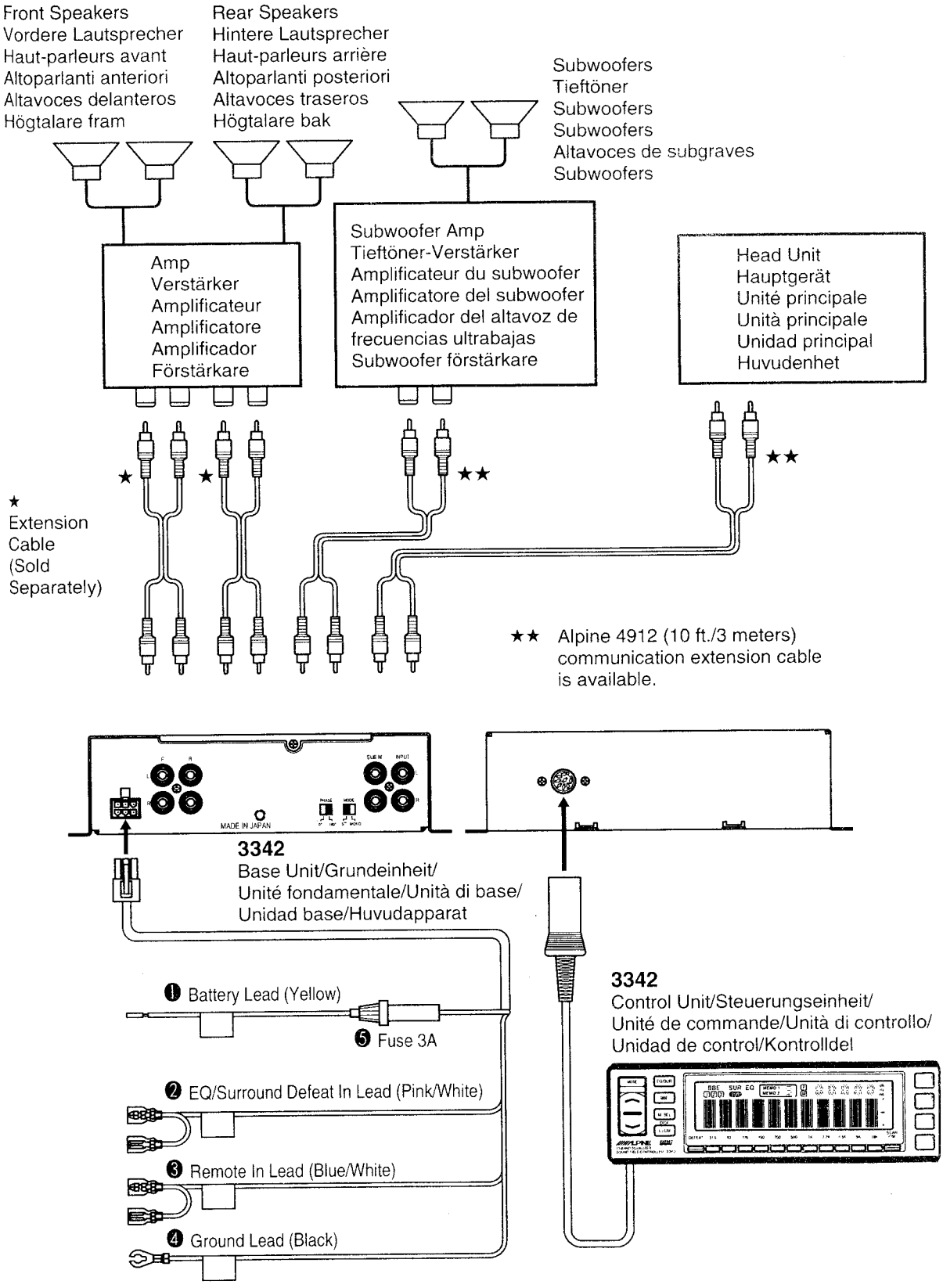


Fig. 2/Abb. 2

INSTALLATION/EINBAU/INSTALLATION/INSTALLAZIONE/ INSTALACION/INSTALLATION

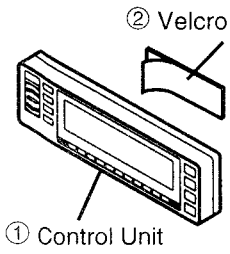


Fig. 3/Abb. 3

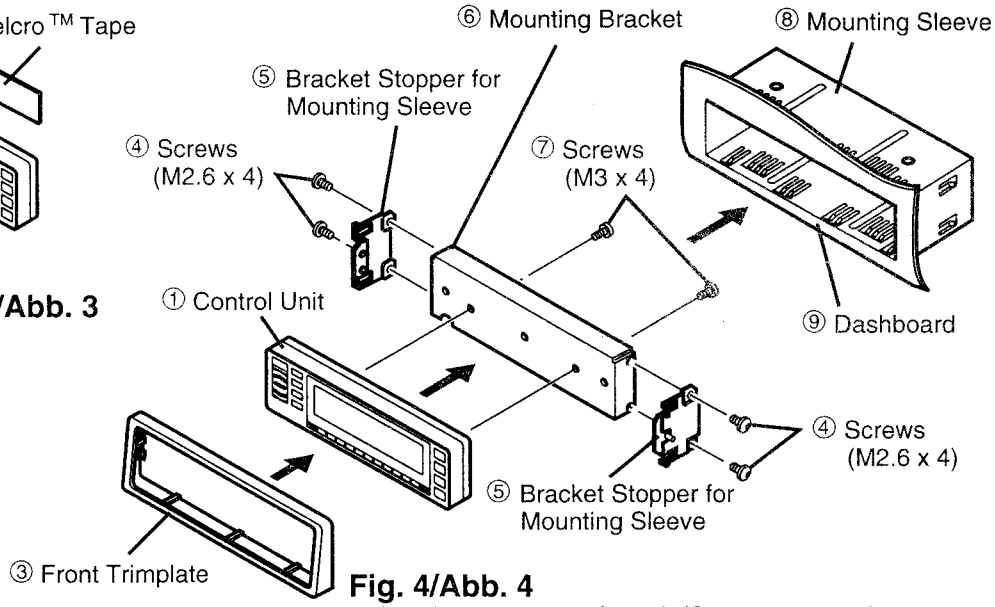

⑥ Mounting Bracket
⑧ Mounting Sleeve
⑤ Bracket Stopper for Mounting Sleeve
④ Screws (M2.6 x 4)
⑦ Screws (M3 x 4)
① Control Unit
⑨ Dashboard
④ Screws (M2.6 x 4)
⑤ Bracket Stopper for Mounting Sleeve
③ Front Trimplate

Fig. 4/Abb. 4

Using the 4107 Mounting Kit (Sold separately)
4107 Einbausatz (ist separat erhältlich)
Utilisation du kit de montage 4107 (vendu séparément)
Uso del kit di installazione 4107 (venduto separatamente)
Uso del equipo de montaje 4107 (vendido separadamente)
Med monteringssats 4107 (säljs separat)

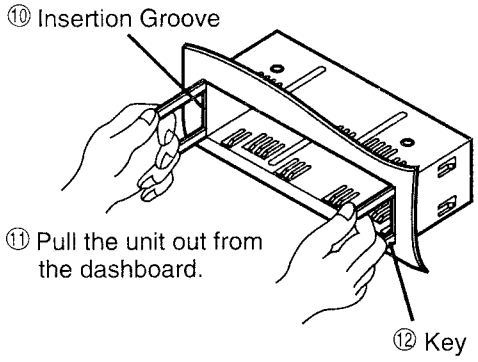


Fig. 5/Abb. 5

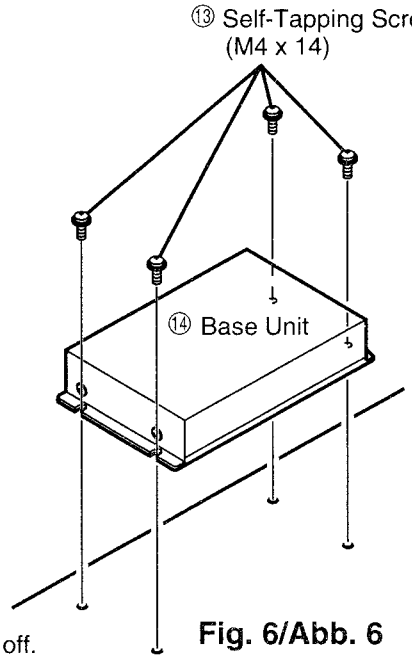


Fig. 6/Abb. 6

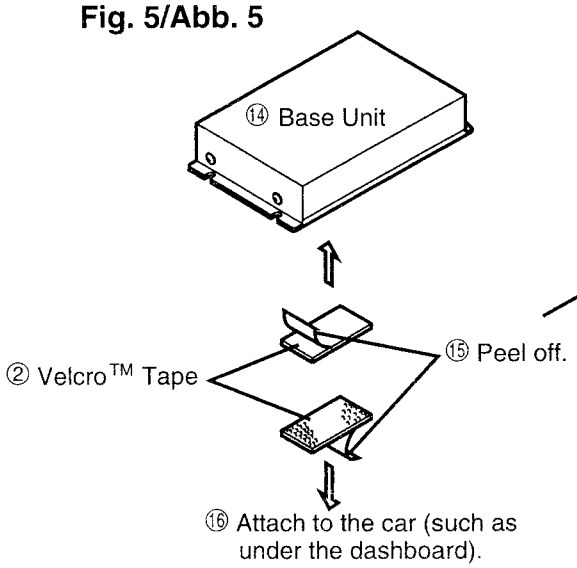


Fig. 7/Abb. 7

INTRODUCTION

At Alpine, Sonic Excellence is a goal we consider most important. Your purchase of this component tells us you feel the same. We take great pride in the long tradition of excellence in sound quality and reliability that the Alpine name represents. Now, as part of that tradition, we welcome you to the growing number of discerning audiophiles who own Alpine products. This manual has been prepared to help you maximize your enjoyment of the outstanding performance and features of your new Alpine 3342 Graphic Equalizer.

This component features the reliability and uncompromising engineering that are benchmarks of all Alpine products. Eleven bands of frequency adjustment allow you to precisely tailor the response of your audio system to compensate for the acoustic environment of your car and, more importantly, customize the sound to your individual taste.

To realize the exceptional performance capabilities of this product, it is necessary that all signal sources, amplifiers, speakers, and interconnection devices are of the highest sonic quality. We recommend using Alpine Head Units, Speaker Systems, High Quality Interconnection/Speaker Cable, and Accessories.

Please study this manual carefully and become acquainted with all the features and capabilities of your new Alpine 3342. Should you have any questions, please contact your authorized Alpine dealer.

PRECAUTIONS

1. Improper wiring connections could cause damage to your vehicle's electrical system and/or the 3342 equalizer. Carefully follow the wiring instructions in this manual.
2. Attaching the battery lead to the positive (+) terminal of the battery should be the last connection after all other connections are made.
3. Be sure that the 3342 is mounted in a way that will allow for free air circulation and heat dissipation.
4. When changing fuses, be sure to replace the old fuse with one of the same amperage (3A). Use of improper fuses can lead to serious damage to components.

FEATURES

- **DSP SURROUND**
  Digital Signal Processing makes it possible to create 8 different listening environments in your car.
- **BBE™***
  The BBE™ processor, incorporated into the 3342, compensates for the inherent loss of the natural balance of harmonic time alignment found in most speaker systems.
- **SUBWOOFER OUTPUT**
  The 3342's subwoofer output is activated when the internal dividing network is turned on. The subwoofer's output is low-pass, and crossed over at 80Hz. The lowpass outputs have a slope of 18 dB per octave.
- **SUBWOOFER LEVEL CONTROL**
  Use this control to conveniently adjust the subwoofer output to compensate for the varied sub-bass content of different types of source material. Different ambient conditions (e.g. driving versus parked) can also be compensated.
- **SUBWOOFER PHASE SWITCH**
  Reverses the phase of the subwoofer output signal. This feature, when offered with an 18 dB per octave crossover, can prevent suck-out at the crossover point, caused by the phase changes inherent in a dividing network. Bottom line is better bass in certain applications.
- **FACTORY-SET EQUALIZER/DSP SURROUND PRESETS**
  There are 8 factory programmed EQ and DSP settings.
- **USER PROGRAMMABLE PRESETS**
  The 3342 has 8 preset memory locations to store equalizer settings for future use. The user presets can be used in combination with the Factory Presets for quicker programming.
- **MEMORY SCAN**
  Cycles through the preset equalization curves and DSP surround modes until it is manually stopped.
- **DC-DC SWITCHING POWER SUPPLY**
  The 3342 incorporates a bipolar power supply to reproduce the wide dynamic range necessary for outstanding transient response.
- **REMOTE POWER ON/OFF**
  With this feature, the processor turns on and off automatically with the head unit.
- **DISP SELECT SWITCH**
  Select from 10 different graphic displays.
- **BACKLIGHTING (Green/Amber)**
  Use this switch for selecting either Green or Amber for the unit.
- **DIRECT BAND SELECTOR BUTTONS**
- **24K GOLD-PLATED RCA LINE-LEVEL INPUTS AND OUTPUTS**
- **SEPARATE FRONT, REAR, SUBWOOFER RCA OUTPUTS**

* BBE is the registered trademark of BBE sound inc.

CONTROLS AND INDICATORS

Refer to Fig. 1 on page 5.

CONTROL UNIT

① Level Control Up Button
② Audio MODE Select Button
③ EQualizer/SURround Button
④ BBE (Barcus Berry Electronics) Button
⑤ Preset Buttons
⑥ P/M (Programmable/Manufacturer's Memory)/SCAN Button
⑦ Band Selector Buttons
⑧ DEFEAT Button
⑨ ILLUMination Button/DISP Button
⑩ Memory SELect Button
⑪ Level Control Down Button
⑫ BBE Indicators
⑬ SURround Indicator
⑭ EQualizer Indicator
⑮ MEMOry Indicators
⑯ Preset Number Indicator
⑰ P (Programmable) Indicator
⑱ M (Manufacturer) Indicator
⑲ Digital Display
⑳ Front/Rear Indicator
㉑ Equalizer/Level Indicators
㉒ SUBwoofer Indicator

BASE UNIT

❶ Front RCA Output Connectors
❷ Rear RCA Output Connectors
❸ Subwoofer Output Connectors (SUB W.)
❹ RCA INPUT Connectors
❺ Subwoofer ST/MONO (Stereo/Mono) Switch (MODE)
❻ Subwoofer PHASE Switch
❼ Power Supply Connector
❽ Control Unit DIN Connector

OPERATION

<BASIC OPERATION>

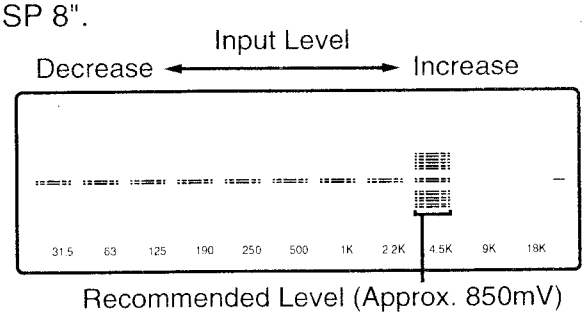
Adjusting the Input Level

Before using the 3342, adjust the input level on the head unit to optimum level.

NOTE:

If the following steps are not performed, reaching maximum performance and signal-to-noise ratio is limited.

1. To display the Input Level on the head unit, press the DISP button ⑨ eight times, and select the "DISP 8".



2. To adjust the Input Level, first operate the head unit with a music source, and adjust the volume control of the head unit to optimum level.

"OVER" range Indicator

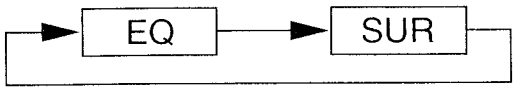
The "OVER" (overrange) indicator with flash in the display whenever the input level is excessive. To minimize distortion and for the best possible sound, the input level should be adjusted so that the "OVER" indicator no longer flashes. This is done by reducing the volume level of the head unit.

NOTE:

If the display "OVER" should come on when using a different source, repeat the above procedure for the new source. In case that the level may not become proper for some sources, adjust the volume on the head unit for maximum.

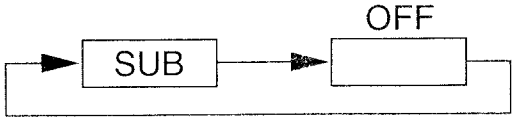
Equalizer/Surround Switching

Press the EQ/SUR button ③. With each press, the mode changes from equalizer to surround or vice versa. The corresponding indicator will be displayed (EQ ⑭ or SUR ⑬).



Subwoofer Output Switching

To switch the Subwoofer Output ON/OFF, press and hold the MODE button ② for more than 2 seconds. With each press, the mode switches from ON to OFF or vice versa. When the Subwoofer Output switch switches to ON, the "SUB" indicator ㉒ will light up.

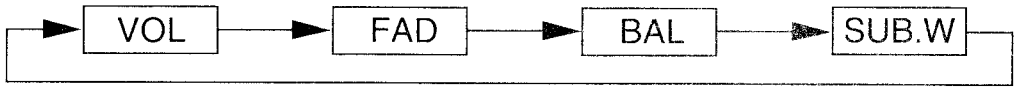


OPERATION

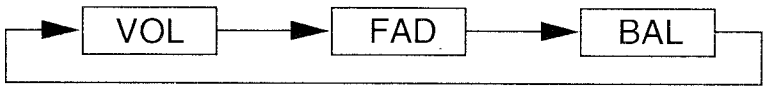
Making Audio Adjustments

1. Press the MODE button ② until your desired function appears in the display ⑲. The MODE will change with each press of the button (see diagram below for function sequence).

In Subwoofer "ON"



In Subwoofer "OFF"



2. With the desired function displayed, press the Level Control buttons ⑪ or ① to increase or decrease to the desired level.

	Level Control button (⑪ or ①)	
	﹀	﹀
Volume Control VOL	Decrease the volume.	Increase the volume.
Fader Control FAD	Increase the rear speaker level. Decrease the front speaker level.	Increase the front speaker level. Decrease the rear speaker level.
Balance Control BAL	Increase the left ch. speaker level. Decrease the right ch. speaker level.	Increase the right ch. speaker level. Decrease the left ch. speaker level.
Subwoofer Control SUB.W	Decrease the subwoofer level.	Increase the subwoofer level.

OPERATION

Surround Defeat

1. Pressing the DEFEAT button ⑧ so the "DEF" indicator is displayed, will send the audio signal directly from the Input to the Output, bypassing all Surround or Equalizer processing.
2. Press the DEFEAT button ⑧ again to return to normal Surround/Equalizer processing.

Switching the Illumination

Press the ILLUM button ⑨ for more than 2 seconds, to change the illumination. With each press, the illumination color changes from amber to green or vice versa.

SCAN Button

The Factory programmed Surround and EQ settings are automatically scanned.

1. Press and hold the SCAN button ⑥ for more than 2 seconds to begin the scan.
2. The scan automatically stops after scanning the entire memory.
3. To cancel the scan before it is completed, press the SCAN button ⑥.

OPERATION

<DSP SURROUND OPERATION>

Manufacturer's Surround Presets

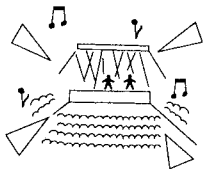
Using DSP, various listening environments can be duplicated mathematically. Places such as a stadium or large concert hall are programmed to change your car's acoustics to that of each listening environment. For your convenience, we have provided 8 typical surround settings which can be used for a variety of musical source material. These settings have been programmed into factory presets as follows:

Pattern 1 (NORMAL)

Surround mode OFF

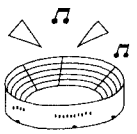
Pattern 2 (HALL 1)

Duplicates the acoustics of a large concert hall with limited reflections



Pattern 3 (STADIUM 1)

Duplicates the acoustics of a large outdoor stadium



Pattern 4 (CHURCH)

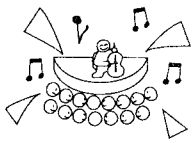
Duplicates the acoustics of a large cathedral with high ceilings and many reflections

Pattern 5 (DISCO)

Duplicates the acoustics of a large hall with moderate reflections

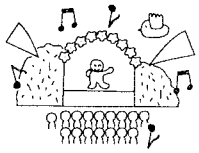
Pattern 6 (HALL 2)

Duplicates the acoustics of a small concert hall with limited reflections



Pattern 7 (STADIUM 2)

Duplicates the acoustics of a small outdoor space



Pattern 8 (LIVE)

Duplicates the acoustics of a small, intimate concert hall with few reflections

OPERATION

Surround Preset Selection

1. Press the EQ/SUR button ③ to select the Surround mode. The SUR indicator ⑬ will show in the display.
2. Use the chart below to determine which pattern you desire. Based on your choice of pattern, press the M. SEL button ⑩ to select the corresponding Memory, MEMO 1 or MEMO 2. This will be shown in the MEMOry No. indicator ⑮.
3. Now press one of the four Preset buttons ([1] to [4]) ⑤ to select your desired pattern. The pattern name will then be displayed ⑲ and the Surround effect activated.

Table for the Pattern and Display

Pattern	MEMOry No. indicator ⑮	Preset button ⑤	Digital display ⑲		
			Pattern Name	Reverbera-tion Level	Reverbera-tion Time
1	MEMO 1	[1]	NORML (NORMAL)		
2	MEMO 1	[2]	HALL 1 (HALL 1)	–2dB	90ms
3	MEMO 1	[3]	STDM 1 (STADIUM 1)	–6dB	231ms
4	MEMO 1	[4]	CHURH (CHURCH)	–6dB	1500ms
5	MEMO 2	[1]	DISCO (DISCO)	0dB	203ms
6	MEMO 2	[2]	HALL 2 (HALL 2)	–4dB	32.3ms
7	MEMO 2	[3]	STDM 2 (STADIUM 2)	–10dB	103ms
8	MEMO 2	[4]	LIVE (LIVE)	–2dB	29ms

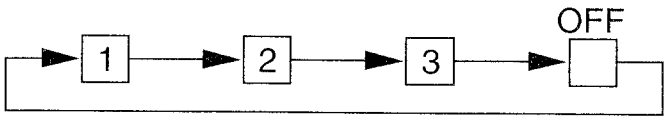
OPERATION

<BBE OPERATION>

BBE (Barcus Berry Electronics)

The BBE Processor built into this unit is designed to return the natural balance of harmonic time alignment, which disappears when the sound becomes amplified and reproduced by loudspeakers. The result of this processing is crisp, clean sound with tighter transients and sharper imaging.

1. Press the BBE button ④ to activate the processor. The BBE indicator ⑫ will display either 1, 2 or 3 depending upon its last setting. Each time the button is pressed, the next BBE setting will illuminate (see diagram below for sequence).
2. The greatest processing takes place when the "1" is illuminated. The effect is proportionately reduced for "2" and "3" has the least effect.



3. The BBE processor has the most audible effect when used at the same time as one of the surround patterns.

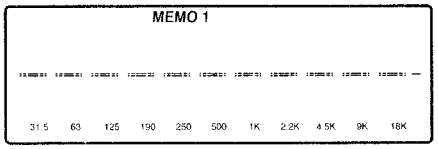
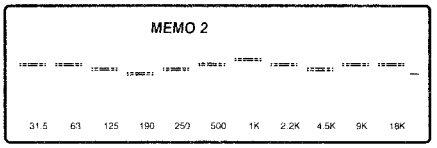
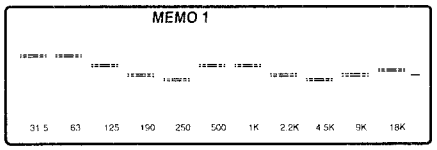
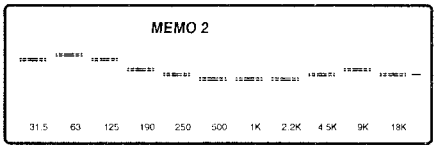
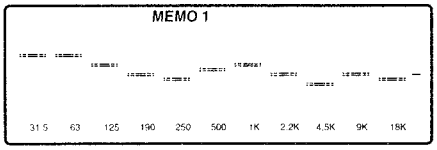
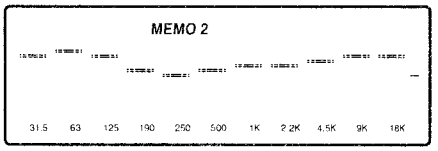
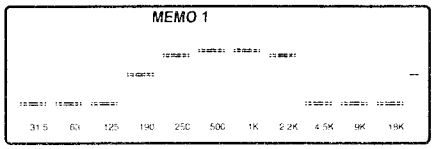
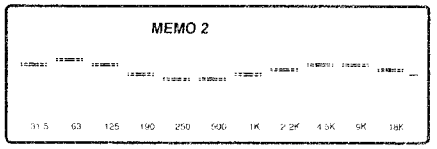
OPERATION

<EQUALIZER OPERATION>

Manufacturer's Equalization Presets

For your convenience, we have provided 8 typical equalization settings for different types of source material. These settings have been preset into memory at the factory as follows.

[Pattern and Display]

	MEMO 1			MEMO 2	
Pattern	**Preset button ⑤**	**EQ curve**	**Pattern**	**Preset button ⑤**	**EQ curve**
1	1	FLAT Frequency Response 	5	1	POPS Boosting the all ranges as centering the mid-frequency range 
2	2	MALE (MALE VOCAL) Boosting the high frequency range slightly 	6	2	CLASS (CLASSIC) Boosting the low frequency range 
3	3	FEMALE (FEMALE VOCAL) Cutting the high frequency range slightly 	7	3	ROCK Boosting the high frequency range 
4	4	NEWS Boosting the mid-frequency range only 	8	4	JAZZ Cutting the high frequency range, and boosting the low frequency range 

OPERATION

Manufacturer's Equalization Preset Selection

1. Select and play back your desired music category, vocal for example.
2. Press the EQ/SUR button ③ to select the Equalizer mode, and make sure the EQ indicator ⑭ lights up.
3. Press the P/M button ⑥ to enter the Manufacturer's Memory mode. The [M] indicator ⑱ will illuminate in the display.
4. Press the M. SEL button ⑩ to select the MEMO No. you desire, and make sure the MEMO No. displays on the MEMO No. indicator ⑮.
5. Press one of the four Preset buttons [1] to [4] ⑤ to select the memory pattern you desire, and then the Manufacturer's Equalizer Response you desire displays and activates.

Changing the Display

1. Press and hold the Up button ① for more than 2 seconds to select the normal or reverse mode.
2. Press and hold the Down button ⑪ for more than 2 seconds to select the positive or the negative display.
3. Press the DISP button ⑨ repeatedly to select the desired display mode from among the 10 possible selections.

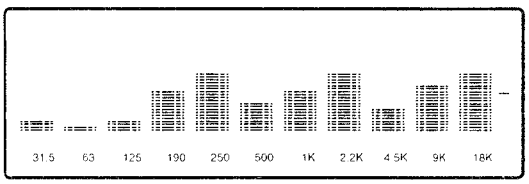
- There are 36 kinds of design modes in total.
  - Positive mode in Normal (Standard)..... 10
  - Negative mode in Normal mode.....10
  - Positive mode in Reverse (Reverse).....8
  - Negative mode in Reverse mode.....8

NOTE:

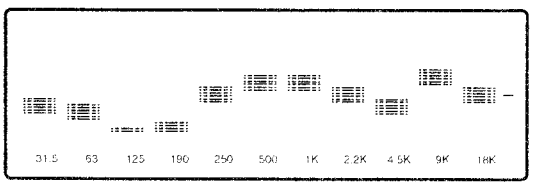
The Normal/Reverse mode can not be selected on the DISP 0 and DISP 8. Therefore, press the DISP button ⑨ to set the DISP 0 or DISP 8.

[Display Examples]

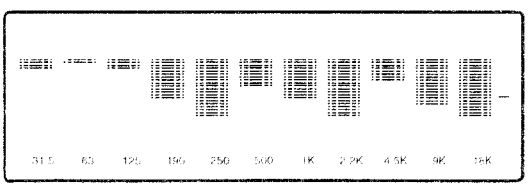
DISP 1, Normal Mode (Positive)



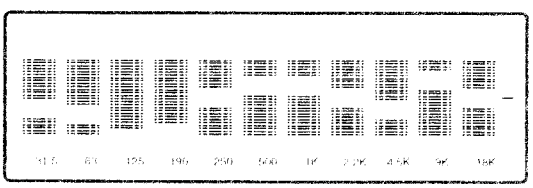
DISP 5, Normal Mode (Positive)



DISP 1, Reverse Mode (Positive)

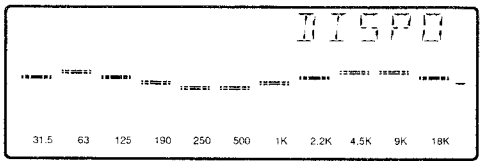
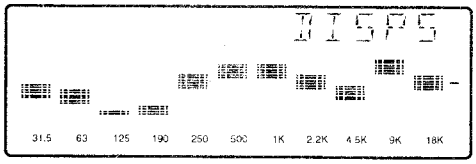
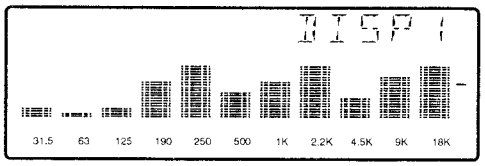
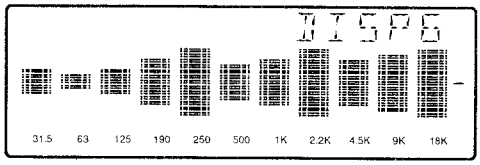
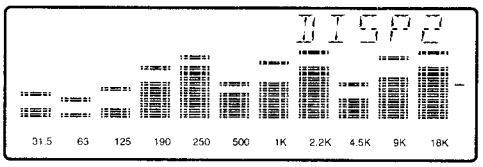
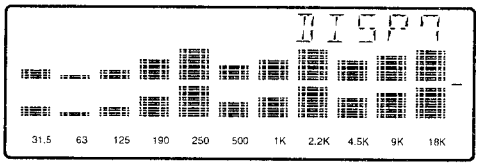
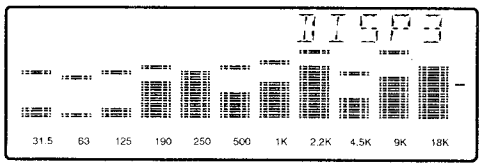
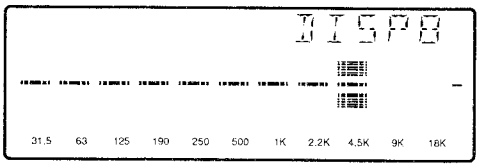
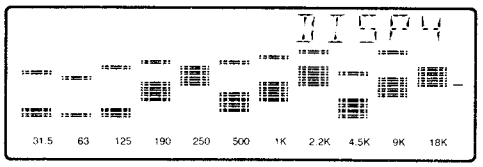


DISP 5, Normal Mode (Negative)



OPERATION

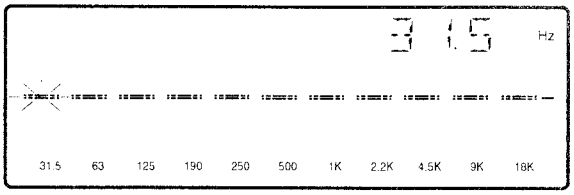
[For example: Normal Positive mode]

Pat-tern	Display	Pat-tern	Display
1	**EQ Pattern Display** 	6	**Block Pattern Display** 
2	**Spectrum Analyzer Display** 	7	**Mirror Pattern Display** 
3	**Peak Hold Display** 	8	**2 steps Spectrum Analyzer Display** 
4	**Peak Level Move Up Display** 	9	**Input Level Display** 
5	**"i" Pattern Display** 	10	**Scanning Display** **(Scanning DISP 1 to DISP 7 repeatedly)**

OPERATION

Adjusting the Equalizer

1. Select the band you wish to adjust by pressing one of the Band Selector buttons ⑦. For example, when the 31.5 Hz button is pressed, the display for the 31.5 Hz band flashes for approximately 5 seconds.
2. Press the Level Control Up ① or Down ⑪ button to adjust to the desired level while the display is flashing.
3. Repeat the above steps to adjust the other bands.



Setting the User-Programmable Equalization Presets

8 different types of Equalization curves and Manufacturer's surround settings can be memorized at the same time.

1. Press the EQ/SUR button ③ to select the Equalizer mode, and make sure the EQ indicator ⑭ lights up.
2. Press the P/M button ⑥ to select the Private Memory mode, and make sure the [P] indicator ⑰ lights up.
3. Set your desired equalization curve using the Band Selector buttons ⑦ and the Up ① and Down ⑪ Level Control buttons as previously explained in the "Adjusting the Equalizer" section.
4. To add one of the Manufacturer's Surround patterns, follow the procedure on page 17 for making the preset selection.
   * This step can be skipped to memorize the Equalization curve only.
5. Press the EQ/SUR button ③ again to select the Equalizer mode.
6. Press the M. SEL button ⑩ to select the MEMOry 1 or 2.
7. Press and hold one of the four Preset buttons ⑤ for more than 2 seconds. The display will flash for 5 seconds while waiting for your preset input.
8. Press the Preset button ⑤ in which you wish to store these settings.
   NOTE:
   This procedure will erase the information previously stored in that preset memory location.
9. Repeat steps 1 – 8 above to create and memorize other equalization curves (DSP Surround Settings).

OPERATION

Selecting the User-Programable (with DSP Surround Setting) Preset

1. Press the EQ/SUR button ③ to select the Equalizer mode, and make sure the EQ indicator ⑭ lights up.
2. Press the P/M button ⑥ to select the Private Memory mode, and make sure the [P] indicator ⑰ lights up.
3. Press the M. SEL button ⑩ to select the Memory No.
4. Press one of four Preset buttons ⑤ you desire.
5. Now, Private Memory curve (with DSP Surround) activates and the Equalizer Response you desired can be reproduced.

CONNECTIONS

● Installation Method for the Shielding of Car Noise

Introduction

Measures against car noise are very important for delivering the best performance from your audio system. In view of this, this product should be installed properly to suppress the effects of car noise.

Here we present a basic installation method for suppressing car noise.

Keeps the equipment away from the car harness. (Fig. A)

The car harness which is wired throughout the car might be exposed to the entrance of noise from the various electrical parts in the car.

A basic audio installation practice is to install the main component away from the car harness and wire it at that location.

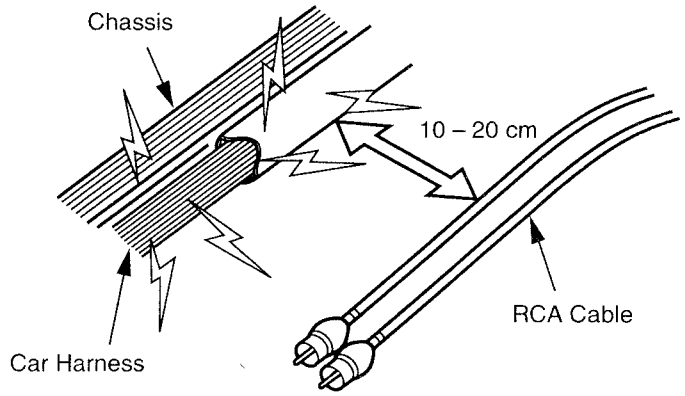


Fig. A

Do not have the power system and the signal system close together. (Fig. B)

When making a new audio wiring installation, ***a basic practice is to do the wiring as far away from the battery power cable as possible.***

If wired together, the noise will enter the RCA cable from the battery power supply.

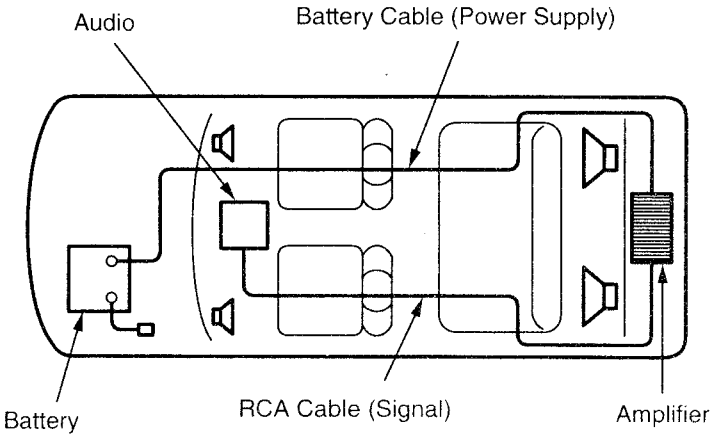


Fig. B

CONNECTIONS

A power supply filter is the first step in noise prevention. (Fig. C)

Use of a power supply filter is the first step in preventing noise from entering the audio system from the power line that branches from the car harness. Note that when current flows through a power supply filter a magnetic field is produced and this can effect the audio as a noise. The installation location of the power supply filter is also an important factor.

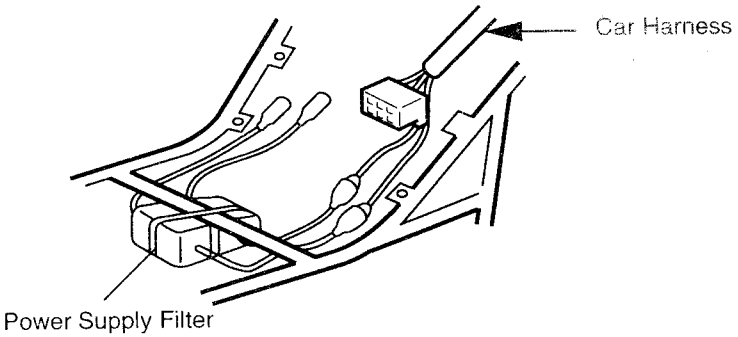


Fig. C

The amount of noise will vary depending on the quality of the ground. (Fig. D)

The current drawn by the audio equipment flows from the power line through the equipment and then back to the car body through the ground wire. When a stress is produced on this current, noise is introduced. Like the power line, the ground is an important factor. When fastening the ground wire by a screw, the essential point is to cleanly remove the coating from the car chassis to allow the current to flow easily.

* Alpine has a variety of power supply filters (surge suppressors) for noise prevention applications. For further details, contact your store of purchase.

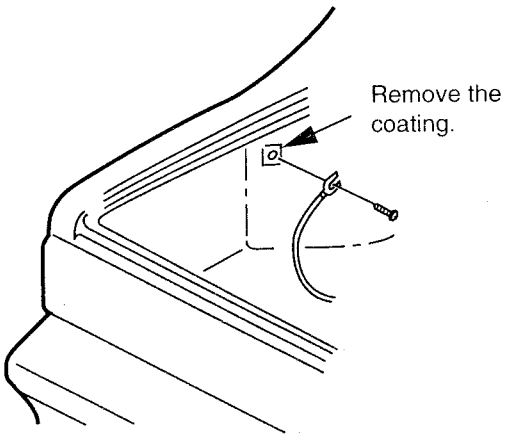


Fig. D

CONNECTIONS

Refer to Fig. 2 on page 6.

24K GOLD-PLATED RCA Line Output Connectors
Connect to the Input Connectors of a Signal Processor or Power Amplifier.

24K GOLD-PLATED RCA Line Input Connectors
Connect to the Output Connectors of the Head Unit.

SUBWOOFER RCA OUTPUT CONNECTORS
Connect to the Output Connectors of the SUBWOOFER.

Phase Switch
In the "180" position, the subwoofer output is shifted 180°.

Stereo/Mono Switch
In the "MONO" position, the Subwoofer output becomes monaural.

❶ **Battery Lead (YELLOW)**
Connect this lead to the positive (+) post of the vehicle's battery. Do not use existing wiring in the vehicle as a power source.

❷ **EQ/Surround Defeat In Lead (PINK/WHITE)**
Applying (+)12V to this lead defeats the Equalizer and Surround modes. When the 3342 is connected to an Alpine Head Unit with an Audio Interrupt Lead, a Cellular Phone equipped with Audio Interface output will also mute the audio output. Removing (+)12V from this lead deactivates the defeat modes.

❸ **Remote In Lead (BLUE/WHITE)**
Connect this lead to the remote turn-on lead of your head unit. Applying (+)12V to this lead turns on the 3342.

❹ **Ground Lead (BLACK)**
Connect this lead to a good chassis ground.
NOTE:
Secure the ground lead of the unit to bare metal on the car chassis using a sheet metal screw. Use an ohmmeter to check continuity from this point to the negative battery terminal.

❺ **Fuse 3A**

★ Extension Cable (Sold Separately)
★★ Alpine 4912 (10 ft./3 meters) communication extension cable is available.

INSTALLATION

Refer to Fig. 3 – 7 on page 7.

The 3342 is made up of two components: the Control Unit and Base Unit.

CONTROL UNIT

As with all installations you should begin by determining the mounting locations for the components of the system.

The Control Unit can be custom mounted flush in the dashboard, center console, sun visor, or other flat surface in the vehicle. The compact size of the Control Unit allows it to be stored in the glove box or center console storage area. There is also an optional 4107 in-dash mounting kit. This allows the Control Unit to be mounted in a DIN opening.

● Velcro™ (Double-Sided Adhesive) Tape Mounting (Fig. 3)

The Control Unit can be mounted to any flat spot using the Velcro™ tape. Choose a location which allows easy access to operate the Control Unit.

1. Remove the adhesive protective paper from one side of the Velcro tape.
2. Attach the exposed adhesive side to the rear side of the Control Unit, in a central location.
3. Select a secure and flat spot for mounting. Make sure the mounting location is clean, dry and free from contaminants.
4. Remove the protective paper from the other side of the Velcro tape.
5. Press the Control Unit to its mounting location.
6. Connect the DIN connector of the Control Unit to the Base Unit.

● Using the Alpine 4107 In-Dash Mounting Kit (Sold separately) (Fig. 4)

NOTE:

There are two plastic screws to cover the screw holes on the rear side of the Control Unit.

Be sure not to miss the screws. If you remove the mounting bracket, the screws should be mounted on the original position. Do not use the screws to mount the mounting bracket.

1. Install the mounting bracket on the control unit with two screws (M3 x 4).
2. Install the two bracket stoppers for mounting sleeve on the mounting bracket with four screws (M2.6 x 4).
3. Slide the mounting sleeve into the dashboard.
4. Connect the DIN connector to the base unit.
5. Slide the control unit into the sleeve and push the locking pins to their full "up" position (use a screwdriver or similar tool). Gently pull out on the unit to make sure it is locked in position.
6. Snap the front trimplate on around the front end of the control unit.

INSTALLATION

NOTE:

To remove your unit, first remove the front trimplate. (Lift the top part carefully with a flat screwdriver for easy removal). Insert a pair of keys provided all the way into the grooves on each side of the unit and pull the unit out (Fig. 5).

BASE UNIT

- **Using the Mounting Screws (Supplied) (Fig. 6)**

The Base Unit can be mounted in the trunk room using the mounting screws provided.

- **Velcro™ Tape Mounting (Fig. 7)**

NOTE:

If you mount the Control Unit without using the Velcro™ tape supplied, you can mount the Base Unit using the Velcro tape.

① Control Unit
② Velcro™ Tape
③ Front Trimplate
④ Screws (M2.6 x 4)
⑤ Bracket Stopper for Mounting Sleeve
⑥ Mounting Bracket
⑦ Screws (M3 x 4)
⑧ Mounting Sleeve
⑨ Dasboard
⑩ Insertion Groove
⑪ Pull the unit out from the dashboard.
⑫ Key
⑬ Self-Tapping Screws (M4 x 14)
⑭ Base Unit
⑮ Peel off.
⑯ Attach to the car (such as under the dashboard).